

*CLAIMS: Please amend the Claims according to the status designations in the following list, which contains all Claims that were ever in the application, with text of all active Claims.*

5 What is claimed is:

1. (Currently Amended) A method of making a [life] double layer capacitor comprising: juxtaposing a respective side of each of a plurality of electrodes with one of a plurality of current collector foils wherein each of the plurality of  
10 electrodes comprises carbon; interposing a porous separator between respective other sides of each of the plurality of electrodes; saturating the plurality of electrodes with an electrolyte solution; sealing hermetically the plurality of electrodes and the plurality of current collector foils within a case to substantially inhibit an influx of impurities into the electrolyte solution, wherein said sealing  
15 comprises: interposing a glass-to-metal seal between the case and a first terminal; and electrically coupling the first terminal to one of said plurality of current collector foils.

2. (Canceled) The method of claim 1 wherein said sealing comprises: interposing a  
20 glass-to-metal seal between an opening in said case and a first terminal; and electrically coupling the first terminal to one of said plurality of current collector foils.

3. (Currently Amended) The method of claim [2] 1 wherein said glass-to-metal seal can withstand exposure to temperatures of up to 250° C for periods of up to 5 minutes.

5 4. (Original) The method of claim 1 wherein said interposing comprises interposing said porous separator wherein said porous separator can withstand exposure to temperatures of up to 250° C for periods of up to 5 minutes.

10 5. (Original) The method of claim 4 wherein said porous separator comprises polytetrafluoroethylene (PTFE).

6. (Currently Amended) A method of making a double layer capacitor comprising: coupling a first current collector foil to an internal portion of a first terminal; folding a first electrode over the current collector foil wherein the first electrode  
15 comprises carbon; placing a porous separator against the first electrode; juxtaposing a second electrode against the porous separator wherein the second electrode comprises carbon; coupling electrically the second electrode to a case; saturating the first electrode and the second electrode with an electrolyte solution; and sealing hermetically the case, wherein the electrolyte is  
20 substantially contained within the case, and wherein influx of impurities into the electrolyte solution is substantially impaired, wherein said sealing hermetically includes: forming a glass-to-metal seal between the case and the first terminal.

7. (Original) The method of claim 6 wherein said placing said porous separator comprises enveloping said first electrode with said porous separator.

8. (Original) The method of claim 7 wherein said juxtaposing comprises  
5 juxtaposing said second electrode over said porous separator.

9. (Original) The method of claim 8 wherein said coupling electrically comprises:  
juxtaposing a second current collector foil over the second electrode; and  
contacting the second current collector foil with the case.

10

10. (Canceled) The method of claim 6 wherein said sealing hermetically includes:  
forming a glass-to-metal seal between another portion of said first terminal and  
said case.

15 11. (Currently Amended) The method of claim [10] 6 wherein said sealing  
hermetically further includes: welding a header to [a can] the case, wherein the  
header includes the glass-to-metal seal.

12. (Currently Amended) The method of claim [10] 6 further comprising: selecting  
20 material for said first terminal having a coefficient of thermal expansion  
substantially similar to a coefficient of thermal expansion of glass.

13. (Currently Amended) A method of making a double layer capacitor

comprising: juxtaposing a respective side of each of a plurality of electrodes with  
one of a plurality of current collector foils wherein each of the plurality of  
electrodes comprises carbon; interposing a porous separator between respective  
other sides of each of the plurality of electrodes; saturating the plurality of  
5 electrodes with an electrolyte solution; sealing hermetically the plurality of  
electrodes and the plurality of current collector foils within a case to substantially  
inhibit an influx of impurities into the electrolyte solution, [The method of claim  
12] wherein said selecting comprises selecting molybdenum.

10 14. (Currently Amended) The method of claim [12] 13 wherein said selecting  
comprises selecting platinum plated molybdenum.

15 15. (Original) The method of claim 12 wherein said selecting comprises selecting a  
plating material for said first terminal that is solderable.

16. (Original) The method of claim 6 further comprising selecting a material for  
said porous separator that can withstand exposure to temperatures of up to 250 °  
C for periods of up to 5 minutes.

20 17. (Original) The method of claim 16 wherein selecting said material for said  
porous separator comprises selecting said material comprising  
polytetrafluoroethylene (PTFE).

18. (Original) The method of claim 6 further comprising selecting materials to make said double layer capacitor that can withstand exposure to temperatures of up to 250° C for periods of up to 5 minutes.

5 19. (Previously Presented) The method of claim 6 further comprising placing a constant pressure on said first and second electrodes, said first and second current collector foils, and said porous separator.

20. (Currently Amended) The method of claim 19 wherein said placing said  
10 [modest] constant pressure comprises forming crimps in said case.